



<b>Nummer</b> A03	<b>593265</b>	<b>vom</b> Z02	<b>27/07/2018</b>
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Unser AB **0211218018** / 100  
 A08  
 Ihr Auftrag **H30-5404255718**  
 A07  
 vom **18/07/2018**

Consegna **0221400555**

Lieferschein **0000216420** vom **27/07/2018**  
 A10

**THYSSENKRUPP SCHULTE GMBH**

**OBERHAUSENER STRASSE 1**

**45476 MULHEIM AN DER RUHR**

**DE**

A06

Artikel **STAHLROHRE**

B01

Norm **EN 10219-1 T>= 3 MM**

B01

Abm. **SGM 400x200x8x12000 S355J2H EN 10219**

B04-B9-B11

Stahlgüte **S355J2H**

B02

Rohre **4** MT **48,00** KG **3.270,00**

B08

B14

B13

**Chemische Zusammensetzung**

C71-C92

	C	Mn	Si	P	S	Al	Cr	Ni	Mo	Cu	Sn	V	Nb	Ti	B	N
min						0,0200										
max	0,2500	1,7000	0,6000	0,0400	0,0400		0,3000	0,5000	0,1000	0,3500		0,1200	0,0500	0,0300		0,0110

B07

<b>1081470B</b>	0,1840	1,2700	0,2000	0,0128	0,0061	0,0413	0,0298	0,0234	0,0049	0,0373		0,0014	0,0086	0,0012		0,0053
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<b>1081470B</b>	C+MN/6+(CR+MO+V)/5+(NI+CU)/15		<=0,45	0,4069
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**Mechanische Eigenschaften**

C10-C29

Werksnr.	Charge	Partie-Nr.	Rohre	R (MPa)			REH (MPa)		A(%)	Rs/R	Fm (N)
				>= 470	<= 630	>= 355	>= 20,0				
<b>13088539</b>	<b>1081470B</b>		<b>4</b>	567		437	25,08				

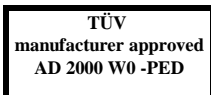
**Kerbschlagzähigkeit**

C40-C49

Code	°C C03	Grenze (J/cm2)	Werte C42			Durchschnitt C43	Proben-Abmessungen C41		Position C01-C02	
<b>1</b>	<b>KV</b>	<b>-20</b>	<b>27</b>	<b>150</b>	<b>136</b>	<b>143</b>	<b>143</b>	<b>5</b>	<b>55</b>	<b>Rohrkorpus - longitudinal</b>

Prüfung	Norm	Soll-Wert		Ergebnis
zerstörungsfreie Prüfung	EN ISO 10893-2		%	100 <b>POSITIVE</b>
Masskontrolle	EN 10219-2		LOT	1 <b>POSITIVE</b>
Ringfaltversuch	EN ISO 8492		LOT	1 <b>POSITIVE</b>
Sichtkontrolle	EN 10219-1		%	100 <b>POSITIVE</b>

Vermerke  
 D51



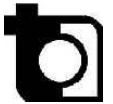
**Arvedi Tubi Acciaio S.p.A.**  
 26100 Cremona - Italia  
 Via Acquaviva, 3 - Zona Porto Canale  
 Tel. +39 0372 4091  
 Fax +39 0372 413170

www.arvedi.it

**A01**  
 Cap.Soc. 4.000.000 EUR i.v.  
 Società interamente controllata  
 da Finarvedi S.p.A.  
 R.I. CR 00113630198  
 R.E.A. CR 90188  
 Mecc. Est. CR 000296  
 C.F. e Part. IVA IT 00113630198

**A04**

**Arvedi Tubi Acciaio**



**Abnahmeprufzeugnis EN 10204/3.1**

**A02**

<b>Nummer</b> <small>A03</small>	<b>593265</b>	<b>vom</b> <small>Z02</small>	<b>27/07/2018</b>
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Consegna **0221400555**

Lieferschein **0000216420** vom **27/07/2018**  
A10

**THYSSENKRUPP SCHULTE GMBH**


**OBERHAUSENER STRASSE 1**

**45476 MULHEIM AN DER RUHR**

**DE**

**A06**

**Z04**

<small>Z04</small>	 <b>1608</b>	
Arvedi Tubi Acciaio S.p.A. via Acquaviva 3, I-26100 Cremona 18 1608 CPR P064		
EN 10219-1:2006 Cold formed welded structural hollow sections of non-alloy structural steels <i>Profilati cavi formati a freddo di acciai non legati e a grano fine per strutture saldate</i>		
Product designation ( <i>Designazione prodotto</i> ):	S355J2H	
Dimensional Tolerances ( <i>Tolleranze dimensionali</i> ):	EN 10219-2	
Elongation ( <i>Allungamento</i> ):	EN 10219-1	
Tensile and Yield strength ( <i>Carico di snervamento a rottura</i> ):	EN 10219-1	
Impact energy ( <i>Resilienza</i> ):	EN 10219-1	
Weldability ( <i>Saldabilità</i> ):	EN 10219-1	

**A05**

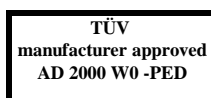
**QUALITÄTSSICHERUNG**

Tel. +39 0372 4091

Fax +39 0372 409349

e-mail: controllo.qualita@ata.arvedi.it

**Z01** Es wird bestaetigt, dass die Lieferung geprueft wurde und den Vereinbarungen bei der Bestellannahme entspricht. Diese Bescheinigung wurde durch ein geeignetes Datenverarbeitungssystem erstellt und und traegt anstelle der eigenhaendigen Unterschrift die Namenswiedergabe und Dienstanschrift des verantwortlichen Bueros.





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Consegna	<b>0221400555</b>		
Lieferschein A10	<b>0000216420</b>	vom	<b>27/07/2018</b>

<b>THYSSENKRUPP SCHULTE GMBH</b>		<b>A06</b>
<b>OBERHAUSENER STRASSE 1</b>		
<b>45476</b>	<b>MULHEIM AN DER RUHR</b>	
		<b>DE</b>

**DECLARATION OF PERFORMANCE**

n. 10219-01072013-1

1. Unique identification code of the product-type:

<i>Cold formed welded structural hollow sections in following dimensions: thickness 1,2 ÷ 16 mm</i>	
<i>Circular hollow section</i>	<i>ø 17,2 ÷ 323,9 mm</i>
<i>Square hollow section</i>	<i>90x90 ÷ 260x260 mm</i>
<i>Rectangular hollow section</i>	<i>100x80 ÷ 300x200 mm</i>

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):  
*in agreement with the number indicated on the label on the material*

000003088539

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:  
*Cold formed welded Structural Hollow Section for steel building or concrete/steel building*

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):  
*Arvedi Tubi Acciaio Spa, via Acquaviva, 2 – 26100 CR - Italy*

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):  
*Not applicable*

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:  
*system 2+*

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
*IGQ, 1608*

performed *initial inspection of the manufacturing plant and of factory production control  
 continuous surveillance, assessment and evaluation of factory production control*

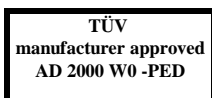
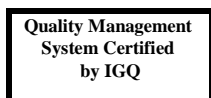
under system *2+*

and issued *certificate of conformity of the factory production control n° P064*

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:  
*Not applicable*

9. Declared performance

<b>Caratteristiche essenziali</b> Essential Characteristics	<b>Prestazioni</b> Performance	<b>Specifica tecnica armonizzata</b> Harmonised technical specification
<i>Tolleranze dimensionali - Dimensional Tolerances</i>	<i>EN 10219-2, 6</i>	<i>EN 10219-1:2006</i>
<i>Allungamento - Elongation</i>	<i>EN 10219-2, 6.7.1</i>	
<i>Carico di snervamento e rottura - Tensile and Yield strength</i>	<i>EN 10219-2, 6.7.2</i>	
<i>Resilienza - Impact energy</i>	<i>EN 10219-1, 6.6.1 e 6.8.1</i>	
<i>Saldabilità - Weldability</i>	<i>EN 10219-1, 6.8.2</i>	



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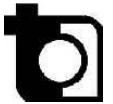
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A01

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Mecc. Est. CR 000296  
C.F. e Part. IVA IT 00113630198

A04

**Arvedi Tubi Acciaio**



**Abnahmeprufzeugnis EN 10204/3.1**

A02

<b>Nummer</b> A03	<b>593265</b>	<b>vom</b> Z02	<b>27/07/2018</b>
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Consegna	<b>0221400555</b>		
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**THYSSENKRUPP SCHULTE GMBH**  
  
**OBERHAUSENER STRASSE 1**  
  
**45476 MULHEIM AN DER RUHR**

A06

**DE**

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Cremona, 01/07/2013

  
Noris Battocletti  
Quality Manager

